



# FEE TRANSMITTAL for FY 2005

Effective 10/01/2004. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 130.00

## Complete if Known

Application Number	10/729,536
Filing Date	December 5, 2003
First Named Inventor	Nomoto, Toyohiro
Examiner Name	Unassigned
Art Unit	2122
Attorney Docket No.	16869N-102100US

METHOD OF PAYMENT (check all that apply)				FEE CALCULATION (continued)																																																																																																																																																																																					
<input type="checkbox"/> Check <input type="checkbox"/> Credit Card <input type="checkbox"/> Money Order <input type="checkbox"/> Other <input type="checkbox"/> None <input checked="" type="checkbox"/> Deposit Account: Deposit Account Number: 20-1430 Deposit Account Name: Townsend and Townsend and Crew LLP The Director is authorized to: (check all that apply) <input checked="" type="checkbox"/> Charge fee(s) indicated below <input checked="" type="checkbox"/> Credit any overpayments <input checked="" type="checkbox"/> Charge any additional fee(s) or any underpayment of fee(s) <input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.				<b>3. ADDITIONAL FEES</b> <table border="1" style="width:100%"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr><td>1051</td><td>130</td><td>2051</td><td>65</td><td>Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>1052</td><td>50</td><td>2052</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet.</td><td></td></tr> <tr><td>1053</td><td>130</td><td>1053</td><td>130</td><td>Non-English specification</td><td></td></tr> <tr><td>1812</td><td>2,520</td><td>1812</td><td>2,520</td><td>For filing a request for <i>ex parte</i> reexamination</td><td></td></tr> <tr><td>1804</td><td>920*</td><td>1804</td><td>920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>1805</td><td>1,840*</td><td>1805</td><td>1,840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>1251</td><td>110</td><td>2251</td><td>55</td><td>Extension for reply within first month</td><td></td></tr> <tr><td>1252</td><td>430</td><td>2252</td><td>215</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>1253</td><td>980</td><td>2253</td><td>490</td><td>Extension for reply within third month</td><td></td></tr> <tr><td>1254</td><td>1,530</td><td>2254</td><td>765</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>1255</td><td>2,080</td><td>2255</td><td>1,040</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>1401</td><td>340</td><td>2401</td><td>170</td><td>Notice of Appeal</td><td></td></tr> <tr><td>1402</td><td>340</td><td>2402</td><td>170</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>1403</td><td>300</td><td>2403</td><td>150</td><td>Request for oral hearing</td><td></td></tr> <tr><td>1451</td><td>1,510</td><td>1451</td><td>1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>1452</td><td>110</td><td>2452</td><td>55</td><td>Petition to revive - unavoidable</td><td></td></tr> <tr><td>1453</td><td>1,330</td><td>2453</td><td>665</td><td>Petition to revive - unintentional</td><td></td></tr> <tr><td>1501</td><td>1,370</td><td>2501</td><td>685</td><td>Utility issue fee (or reissue)</td><td></td></tr> <tr><td>1502</td><td>490</td><td>2502</td><td>245</td><td>Design issue fee</td><td></td></tr> <tr><td>1503</td><td>660</td><td>2503</td><td>330</td><td>Plant issue fee</td><td></td></tr> <tr><td>1460</td><td>130</td><td>1460</td><td>130</td><td>Petitions to the Commissioner</td><td>130</td></tr> <tr><td>1807</td><td>50</td><td>1807</td><td>50</td><td>Processing fee under 37 CFR 1.17(q)</td><td></td></tr> <tr><td>1806</td><td>180</td><td>1806</td><td>180</td><td>Submission of Information Disclosure Stmt</td><td></td></tr> <tr><td>8021</td><td>40</td><td>8021</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td><td></td></tr> <tr><td>1809</td><td>790</td><td>2809</td><td>395</td><td>Filing a submission after final rejection (37 CFR § 1.129(a))</td><td></td></tr> <tr><td>1810</td><td>790</td><td>2810</td><td>395</td><td>For each additional invention to be examined (37 CFR § 1.129(b))</td><td></td></tr> <tr><td>1801</td><td>790</td><td>2801</td><td>395</td><td>Request for Continued Examination (RCE)</td><td></td></tr> <tr><td>1802</td><td>900</td><td>1802</td><td>900</td><td>Request for expedited examination of a design application</td><td></td></tr> </tbody> </table>				Large Entity		Small Entity		Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	1051	130	2051	65	Surcharge - late filing fee or oath		1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet.		1053	130	1053	130	Non-English specification		1812	2,520	1812	2,520	For filing a request for <i>ex parte</i> reexamination		1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action		1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action		1251	110	2251	55	Extension for reply within first month		1252	430	2252	215	Extension for reply within second month		1253	980	2253	490	Extension for reply within third month		1254	1,530	2254	765	Extension for reply within fourth month		1255	2,080	2255	1,040	Extension for reply within fifth month		1401	340	2401	170	Notice of Appeal		1402	340	2402	170	Filing a brief in support of an appeal		1403	300	2403	150	Request for oral hearing		1451	1,510	1451	1,510	Petition to institute a public use proceeding		1452	110	2452	55	Petition to revive - unavoidable		1453	1,330	2453	665	Petition to revive - unintentional		1501	1,370	2501	685	Utility issue fee (or reissue)		1502	490	2502	245	Design issue fee		1503	660	2503	330	Plant issue fee		1460	130	1460	130	Petitions to the Commissioner	130	1807	50	1807	50	Processing fee under 37 CFR 1.17(q)		1806	180	1806	180	Submission of Information Disclosure Stmt		8021	40	8021	40	Recording each patent assignment per property (times number of properties)		1809	790	2809	395	Filing a submission after final rejection (37 CFR § 1.129(a))		1810	790	2810	395	For each additional invention to be examined (37 CFR § 1.129(b))		1801	790	2801	395	Request for Continued Examination (RCE)		1802	900	1802	900	Request for expedited examination of a design application	
Large Entity		Small Entity		Fee Description	Fee Paid																																																																																																																																																																																				
Fee Code	Fee (\$)	Fee Code	Fee (\$)																																																																																																																																																																																						
1051	130	2051	65	Surcharge - late filing fee or oath																																																																																																																																																																																					
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet.																																																																																																																																																																																					
1053	130	1053	130	Non-English specification																																																																																																																																																																																					
1812	2,520	1812	2,520	For filing a request for <i>ex parte</i> reexamination																																																																																																																																																																																					
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action																																																																																																																																																																																					
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action																																																																																																																																																																																					
1251	110	2251	55	Extension for reply within first month																																																																																																																																																																																					
1252	430	2252	215	Extension for reply within second month																																																																																																																																																																																					
1253	980	2253	490	Extension for reply within third month																																																																																																																																																																																					
1254	1,530	2254	765	Extension for reply within fourth month																																																																																																																																																																																					
1255	2,080	2255	1,040	Extension for reply within fifth month																																																																																																																																																																																					
1401	340	2401	170	Notice of Appeal																																																																																																																																																																																					
1402	340	2402	170	Filing a brief in support of an appeal																																																																																																																																																																																					
1403	300	2403	150	Request for oral hearing																																																																																																																																																																																					
1451	1,510	1451	1,510	Petition to institute a public use proceeding																																																																																																																																																																																					
1452	110	2452	55	Petition to revive - unavoidable																																																																																																																																																																																					
1453	1,330	2453	665	Petition to revive - unintentional																																																																																																																																																																																					
1501	1,370	2501	685	Utility issue fee (or reissue)																																																																																																																																																																																					
1502	490	2502	245	Design issue fee																																																																																																																																																																																					
1503	660	2503	330	Plant issue fee																																																																																																																																																																																					
1460	130	1460	130	Petitions to the Commissioner	130																																																																																																																																																																																				
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)																																																																																																																																																																																					
1806	180	1806	180	Submission of Information Disclosure Stmt																																																																																																																																																																																					
8021	40	8021	40	Recording each patent assignment per property (times number of properties)																																																																																																																																																																																					
1809	790	2809	395	Filing a submission after final rejection (37 CFR § 1.129(a))																																																																																																																																																																																					
1810	790	2810	395	For each additional invention to be examined (37 CFR § 1.129(b))																																																																																																																																																																																					
1801	790	2801	395	Request for Continued Examination (RCE)																																																																																																																																																																																					
1802	900	1802	900	Request for expedited examination of a design application																																																																																																																																																																																					
<b>1. BASIC FILING FEE</b> <table border="1" style="width:100%"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr><td>1001</td><td>790</td><td>2001</td><td>395</td><td>Utility filing fee</td><td></td></tr> <tr><td>1002</td><td>350</td><td>2002</td><td>175</td><td>Design filing fee</td><td></td></tr> <tr><td>1003</td><td>550</td><td>2003</td><td>275</td><td>Plant filing fee</td><td></td></tr> <tr><td>1004</td><td>790</td><td>2004</td><td>395</td><td>Reissue filing fee</td><td></td></tr> <tr><td>1005</td><td>160</td><td>2005</td><td>80</td><td>Provisional filing fee</td><td></td></tr> </tbody> </table>				Large Entity		Small Entity		Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	1001	790	2001	395	Utility filing fee		1002	350	2002	175	Design filing fee		1003	550	2003	275	Plant filing fee		1004	790	2004	395	Reissue filing fee		1005	160	2005	80	Provisional filing fee		<b>2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE</b> <table border="1" style="width:100%"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr><td>1202</td><td>18</td><td>2202</td><td>9</td><td>Claims in excess of 20</td><td></td></tr> <tr><td>1201</td><td>88</td><td>2201</td><td>44</td><td>Independent claims in excess of 3</td><td></td></tr> <tr><td>1203</td><td>300</td><td>2203</td><td>150</td><td>Multiple dependent claim, if not paid</td><td></td></tr> <tr><td>1204</td><td>88</td><td>2204</td><td>44</td><td>** Reissue independent claims over original patent</td><td></td></tr> <tr><td>1205</td><td>18</td><td>2205</td><td>9</td><td>** Reissue claims in excess of 20 and over original patent</td><td></td></tr> </tbody> </table>				Large Entity		Small Entity		Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	1202	18	2202	9	Claims in excess of 20		1201	88	2201	44	Independent claims in excess of 3		1203	300	2203	150	Multiple dependent claim, if not paid		1204	88	2204	44	** Reissue independent claims over original patent		1205	18	2205	9	** Reissue claims in excess of 20 and over original patent																																																																																																			
Large Entity		Small Entity		Fee Description	Fee Paid																																																																																																																																																																																				
Fee Code	Fee (\$)	Fee Code	Fee (\$)																																																																																																																																																																																						
1001	790	2001	395	Utility filing fee																																																																																																																																																																																					
1002	350	2002	175	Design filing fee																																																																																																																																																																																					
1003	550	2003	275	Plant filing fee																																																																																																																																																																																					
1004	790	2004	395	Reissue filing fee																																																																																																																																																																																					
1005	160	2005	80	Provisional filing fee																																																																																																																																																																																					
Large Entity		Small Entity		Fee Description	Fee Paid																																																																																																																																																																																				
Fee Code	Fee (\$)	Fee Code	Fee (\$)																																																																																																																																																																																						
1202	18	2202	9	Claims in excess of 20																																																																																																																																																																																					
1201	88	2201	44	Independent claims in excess of 3																																																																																																																																																																																					
1203	300	2203	150	Multiple dependent claim, if not paid																																																																																																																																																																																					
1204	88	2204	44	** Reissue independent claims over original patent																																																																																																																																																																																					
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent																																																																																																																																																																																					
<b>SUBTOTAL (1)</b> (\$)0.00				<b>SUBTOTAL (2)</b> (\$)0.00																																																																																																																																																																																					
<b>SUBTOTAL (3)</b> (\$)130.00				<b>SUBTOTAL (3)</b> (\$)130.00																																																																																																																																																																																					

SUBMITTED BY			Complete (if applicable)	
Name (Print/Type)	Chun-Pok Leung	Registration No. (Attorney/Agent)	41,405	Telephone
Signature			Date	November 19, 2004

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.



PATENT  
Attorney Docket No.: 16869N-102100US  
Client Ref. No.: NT1374US

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of:

TOYOHIRO NOMOTO *et al.*

Application No.: 10/729,536

Filed: December 5, 2003

For: DATA CONVERSION METHOD  
AND COMPUTER SYSTEM  
THEREFOR

Customer No.: 20350

Examiner: Unassigned

Technology Center/Art Unit: 2122

Confirmation No.: 1904

**PETITION TO MAKE SPECIAL FOR  
NEW APPLICATION UNDER M.P.E.P.  
§ 708.02, VIII & 37 C.F.R. § 1.102(d)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

This is a petition to make special the above-identified application under MPEP § 708.02, VIII & 37 C.F.R. § 1.102(d). The application has not received any examination by an Examiner.

(a) The Commissioner is authorized to charge the petition fee of \$130 under 37 C.F.R. § 1.17(i) and any other fees associated with this paper to Deposit Account 20-1430.

11/26/2004 HALI11 00000080 201430 10729536  
01 FC:1460 130.00 DA

(b) All the claims are believed to be directed to a single invention. If the Office determines that all the claims presented are not obviously directed to a single invention, then Applicants will make an election without traverse as a prerequisite to the grant of special status.

(c) Pre-examination searches were made of U.S. issued patents, including a classification search, a foreign patent database search, and a literature search. The searches were performed on or around October 6, 2004, and were conducted by a professional search firm, Mattingly, Stanger & Malur, P.C. The classification search covered Class 341 (subclass 87), Class 707 (subclasses 4, 5, 101, and 104.1), and 715 (subclass 523). Because of the large size of these subclasses, keywords were used to narrow of number of documents returned. The foreign patent database search was conducted using Espacenet in international subclass G06F17/30B2, directed to file format conversion for database management and structures. The literature search was performed using DIALOG online databases. The inventors further provided one reference considered most closely related to the subject matter of the present application (see reference #8), which were cited in the Information Disclosure Statement filed on December 5, 2003.

(d) The following references, copies of which are attached herewith, are deemed most closely related to the subject matter encompassed by the claims:

- (1) U.S. Patent No. 5,493,671;
- (2) U.S. Patent No. 5,708,828;
- (3) U.S. Patent No. 6,161,103;
- (4) U.S. Patent No. 6,643,649 B2;
- (5) U.S. Patent Publication No. 2002/0161754 A1;
- (6) U.S. Patent Publication No. 2003/0055820 A1;
- (7) U.S. Patent Publication No. 2004/0002983 A1; and
- (8) Japanese Patent Publication No. JP 2001-022764.

(e) Set forth below is a detailed discussion of references which points out with particularity how the claimed subject matter is distinguishable over the references.

A. Claimed Embodiments of the Present Invention

The claimed embodiments relate to a data conversion method that is suitable for use in a large scale database, and that enables a reduction in load of a data conversion server as well as an easy design of a conversion program.

Independent claim 1 recites a data conversion method for converting table data of a database. The method comprises separating a data conversion job used for data conversion into a data conversion server job for executing conversion processing on a data conversion server and a storage job for instructing a copy of a table on storage; executing the storage job to instruct the storage to copy the table; and executing the data conversion server job to perform data conversion of the copied table.

Independent claim 5 recites a computer system comprising a database conversion server for converting a table of a database; and storage for storing the database. The database conversion server has table volume mapping information that associates the table of the database with storage information about storage in which the table is stored. The database conversion server is configured, with reference to the table volume mapping information, to separate a data conversion job used for data conversion into a data conversion server job for executing conversion processing on the database conversion server and a storage job for instructing a copy of the table on the storage; to execute the storage job to instruct a copy of a volume containing the table; and to execute the data conversion server job to perform data conversion of the copied table.

Independent claim 6 recites a database conversion server for converting a table of a database, the database conversion server being connected to storage for storing the database. The database conversion server comprises a module configured to separate a data conversion job definition used for data conversion into a data conversion server job definition for executing conversion processing on the database conversion server and a storage job definition for instructing a copy of the table on the storage; a module configured to request a job execution engine to execute the storage job definition, and thereby the storage is instructed to copy the table; and a module configured to request the job execution engine to

execute the data conversion server job definition, and thereby only fields which need to be converted are extracted from the copied table, and then the extracted fields are converted.

Independent claim 10 recites a data conversion program for converting table data of a database. The data conversion program comprises code for separating a data conversion job definition used for data conversion into a data conversion server job definition for executing conversion processing on a data conversion server and a storage job definition for instructing a copy of a table on storage; code for requesting a job execution engine to execute the storage job definition, and thereby the storage is instructed to copy the table; and code for requesting the job execution engine to execute the data conversion server job definition to perform data conversion of the copied table.

One of the benefits that may be derived is that it reduces the load of a data conversion server when converting data of a database, and enables a designer of a data conversion job to easily design the data conversion job.

B. Discussion of the References

None of the following references disclose separating a data conversion job used for data conversion into a data conversion server job for executing conversion processing on a data conversion server and a storage job for instructing a copy of a table on storage; executing the storage job to instruct the storage to copy the table; and executing the data conversion server job to perform data conversion of the copied table.

1. U.S. Patent No. 5,493,671

This reference discloses a method and an apparatus for conversion of database data into a different format on a field-by-field basis using a table of conversion procedures. A file management element converts information from the first database for storage in the second database. Thus, it does not teach dividing the conversion process into a storage copying job and a server conversion job.

2. U.S. Patent No. 5,708,828

This reference discloses a system for converting data from a first type to a generic type, and then to a second type, by defining a complete data map of the input and output data environments, and creating a logical association bridge between the input and

output environments (see Figs. 2 and 3). The server performs the entire data conversion job and, accordingly, there is no division of the conversion process into a storage job and a server job.

3. U.S. Patent No. 6,161,103

This reference discloses a datamart system in which data is automatically extracted and converted by accessing a schema definition for the datamart. A set of table creation commands and table access commands are generated from the schema definition, and lead to the generation of a set of aggregate commands for generating an aggregate table. Thus, it does not teach the division of a data conversion job into a server job and a storage job.

4. U.S. Patent No. 6,643,649 B2

This reference discloses a utility for cross-platform database queries in which a set of data items is obtained from a library server and placed in a temporary table. The utility obtains each data item from the temporary table and a base object table, and converts them, if conversion is required, so that each data item from the temporary table and the base object table may be compared. The object server performs the conversion, and there is no division of the data conversion process into a server job and a storage job.

5. U.S. Patent Publication No. 2002/0161754 A1

This reference relates to a method for accessing database table columns in which the data type stored in a column is determined, and the data type is converted to a second data before outputting the data. Thus, it does not teach the copying of a table by a storage job and conversion of data by a server job.

6. U.S. Patent Publication No. 2003/0055820 A1

This reference discloses a process for automating database conversion. The conversion process includes running a first program and then two batch command file programs. It does not teach separation of the process into a server job and a storage job.

7. U.S. Patent Publication No. 2004/0002983 A1

This reference discloses a database modifying method. Tables to be modified in terms of addition of columns, or the like, are outputted during an extraction process, and a combination of tables having a minimized total number of records to be modified is selected from possible combinations of modification-candidate tables. It does not teach the copying of a table by a storage job and conversion of data by a server job.

8. Japanese Patent Publication No. JP 2001-022764

This reference discloses a device and a method to prevent work from being tried again because of arrangement error or erroneous arrangement by describing the information of constitutive articles and condition information charged to these articles in a tree structure for each article to be the object of the configuration. A data file in tabular format is converted into product information database. There is no division of a data conversion job into a server job and a storage job.

(f) In view of this petition, the Examiner is respectfully requested to issue a first Office Action at an early date.

Respectfully submitted,



Chun-Pok Leung  
Reg. No. 41,405

TOWNSEND and TOWNSEND and CREW LLP  
Two Embarcadero Center, 8<sup>th</sup> Floor  
San Francisco, California 94111-3834  
Tel: 650-326-2400  
Fax: 415-576-0300  
Attachments  
RL:rl  
60351349 v1